

FIG. 1

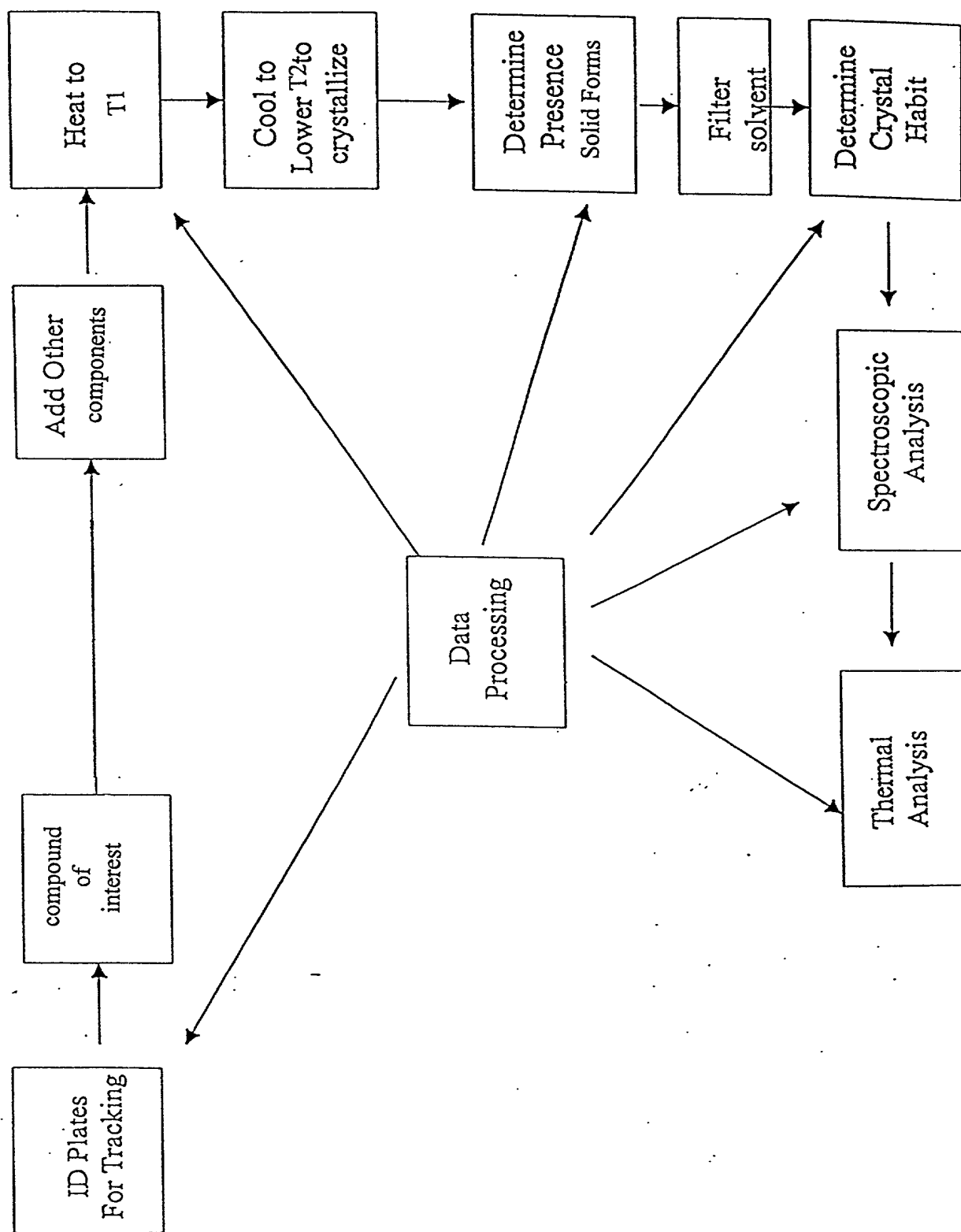


FIG. 2A

Combinatorial Mixing of Crystallization Components

In-Depth Characterization of Lead Candidates

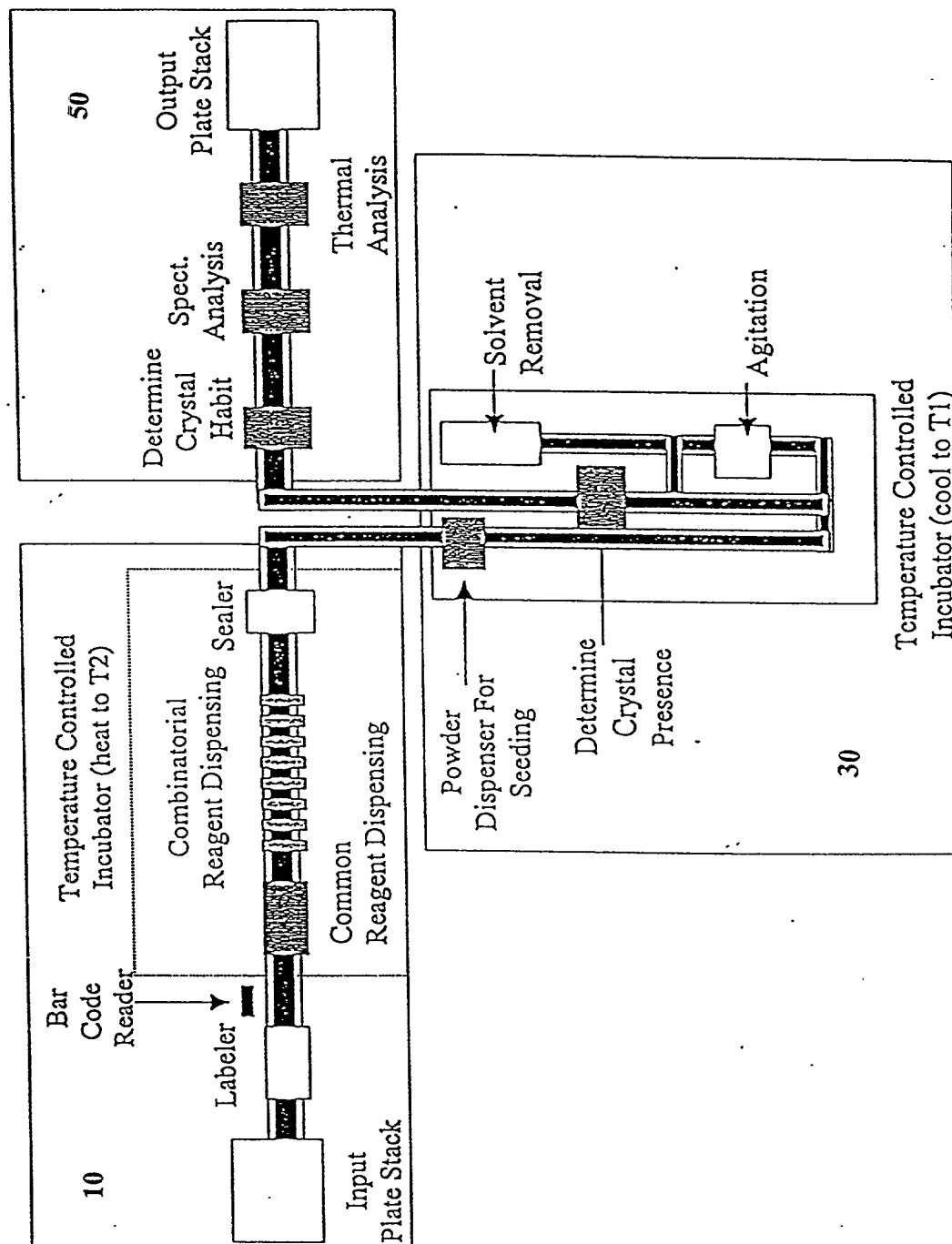


FIG. 2B

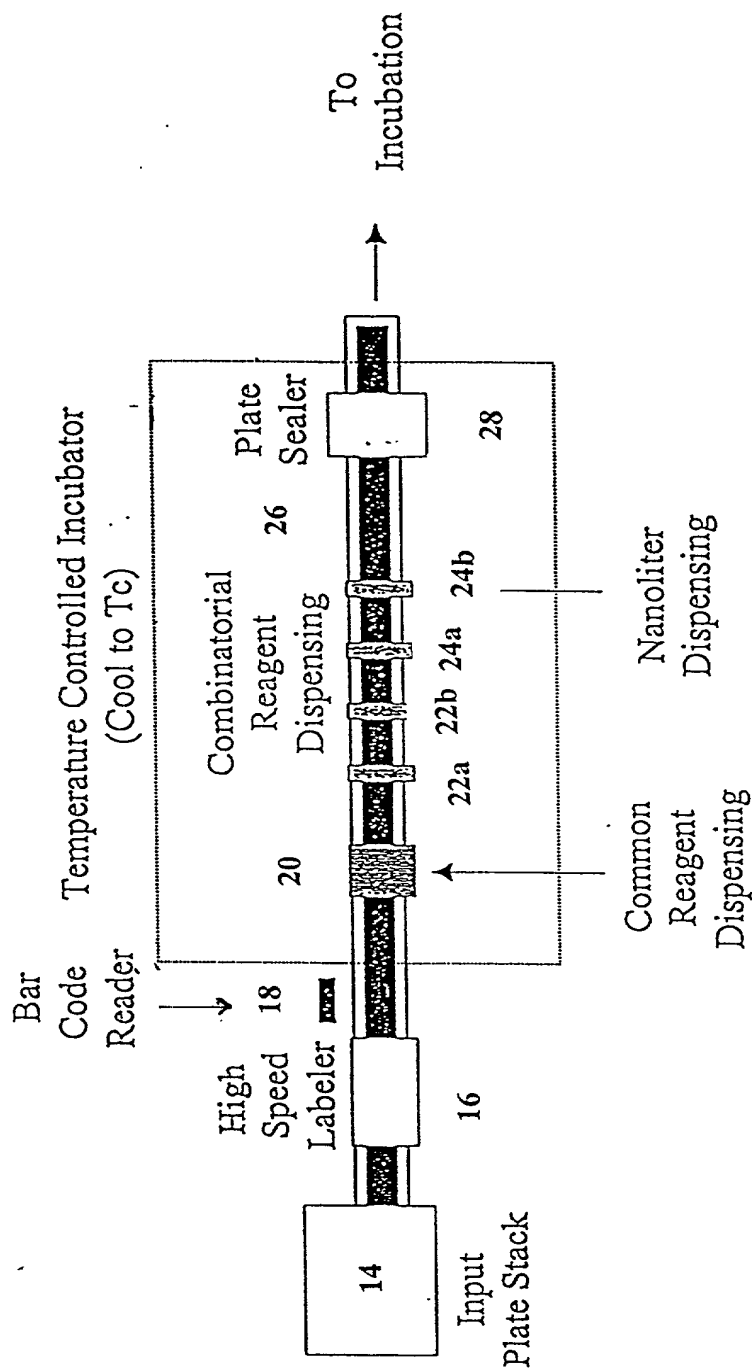


FIG. 2C

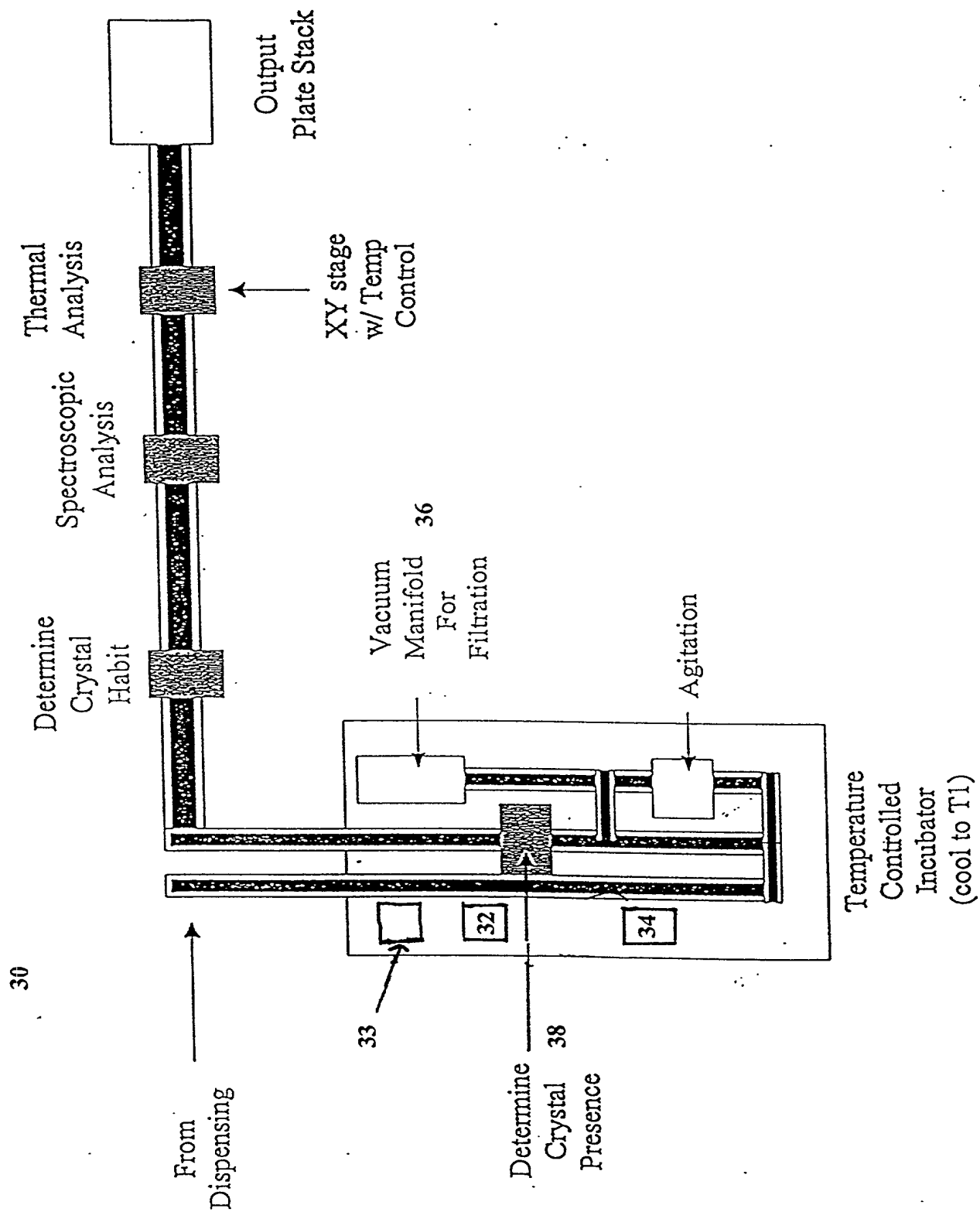
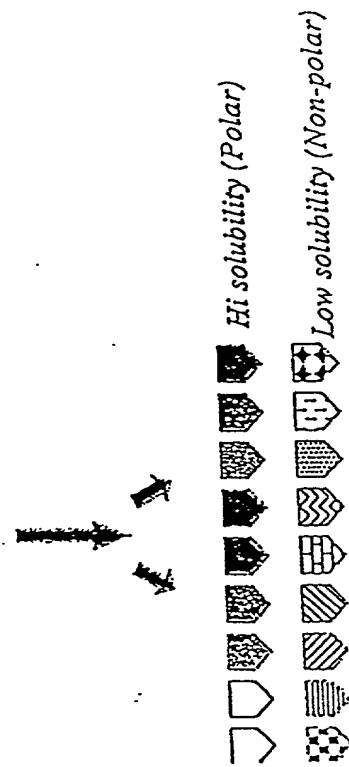


FIG. 3A

Isothermic crystallization

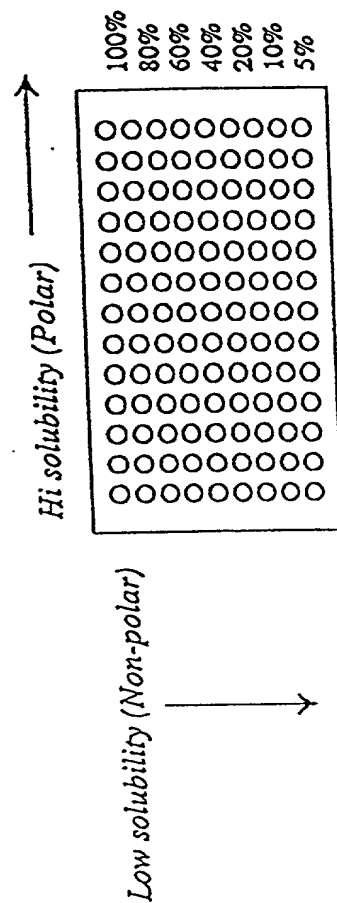
Generation of stock saturated solutions using

A. Add excess compound to each stock solution



B. Thoroughly mix, filter solutions to remove any undissolved material

II. Distribute stock solutions/generate mixture



II. Monitor precipitation (optical density)

III. Examine crystallinity by birefringence

IV. Test crystal forms by XRPD

IV. Different crystals tested by DSC and TG

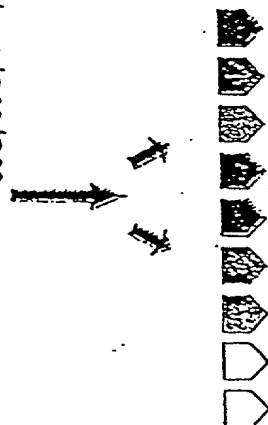
FIG. 3B

Temperature-mediated crystallization

I. Generation of stock saturated solutions using

A. Add excess compound to each stock solution at various temps

80°C, 60°C, 40°C, 20°C, 10°C



B. Thoroughly mix, filter solutions to remove any undissolved material. Maintain original temperature

II. Temperature ramp downs

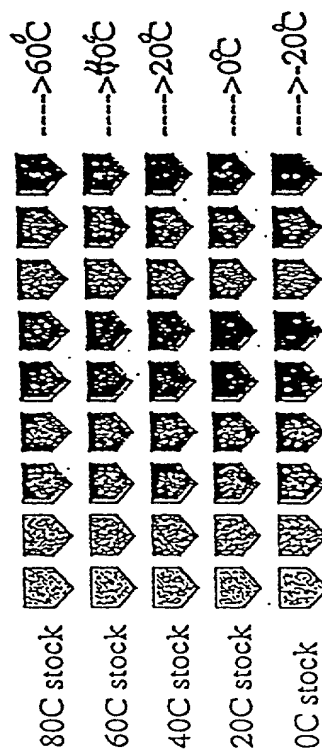


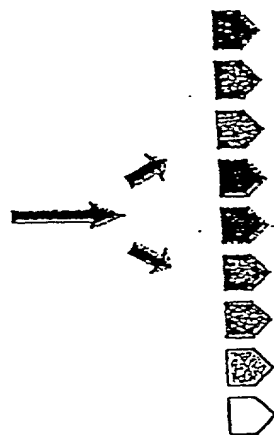
FIG. 3C

Evaporative crystallization

II. Controlled pressure ramp down (temperature)

I. Generation of stock saturated solutions using

A. Add excess compound to each stock solution



B. Thoroughly mix, filter solutions to remove any un-dissolved material. Maintain original temperature

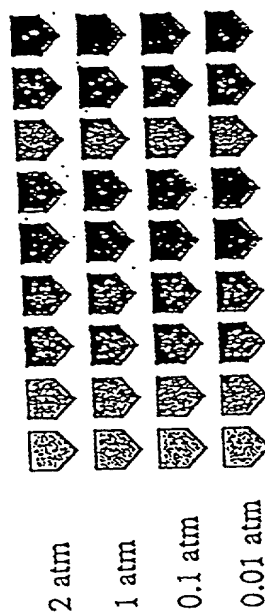


FIG. 4

